

WHAT IS CLAIMED IS:

1. An empennage assembly for a model aircraft, the assembly comprised of:
a fuselage having a bottom portion with an opening;
a housing positioned in the opening in the bottom portion of the fuselage, the housing having a first end defining an opening and a second end;
a rod extending from an underside of a vertical stabilizer; and
a horizontal stabilizer having a hole aligned with the opening in the bottom portion of the fuselage, the housing and the rod, whereby the rod is positioned within the opening in the first end of the housing to secure the vertical and horizontal stabilizers to the fuselage.
2. The assembly of claim 1, wherein the housing is a self-threading housing.
3. The assembly of claim 1, wherein the rod is threaded.
4. The assembly of claim 1, wherein the housing includes:
a cylindrical portion; and
an inner conic shape that is adapted to center the rod in the cylindrical portion.
5. The assembly of claim 1, wherein the second end of the housing forms a finger-grip bolt head.
6. The assembly of claim 1, wherein:
the rod has a first end and a second end; and
the first end is secured to the underside of the vertical stabilizer.
7. The assembly of claim 6, wherein:
the first end has a first width;
the second end has a second width; and
the first width is greater than the second width.

8. The assembly of claim 6, wherein:
both the first end and the second end are threaded; and
the first end is glued to the underside of the vertical stabilizer.
9. The assembly of claim 1, wherein the rod is made of steel.
10. The assembly of claim 1, wherein:
the opening is one of a plurality of openings;
a housing is positioned in each of the plurality of openings;
a plurality of rods extend from the underside of the vertical stabilizer; and
the horizontal stabilizer has a plurality of holes, each of the plurality of holes
aligned with one of the housings and one of the plurality of rods, whereby the each rod is
positioned within one of the housings to secure the vertical and horizontal stabilizers to the
fuselage.
11. A method for attaching an empennage assembly to a model aircraft, the method
comprising:
placing a horizontal stabilizer on a top portion of an aircraft fuselage so as to align a
hole in the horizontal stabilizer with an opening in a bottom portion of the fuselage;
inserting a housing in the opening in the bottom portion of the fuselage and the hole
in the horizontal stabilizer;
aligning a vertical stabilizer having a rod extending from an underside thereof with
the hole in the horizontal stabilizer;
positioning the rod in the housing; and
securing the housing to the rod.
12. The method of claim 11, further comprising the step of gluing the rod to the
underside of the vertical stabilizer.
13. The method of claim 11, wherein the housing is self-threading.
14. The method of claim 11, wherein the rod is threaded.
15. The method of claim 11, wherein the securing step involves screwing a self-
threaded housing to a threaded rod.

16. A device for attaching an empennage assembly to a model aircraft, the device comprised of:

a housing; and
a rod.

17. The device of claim 16, wherein the housing is a self-threading housing.

18. The device of claim 16, wherein the rod is threaded.

19. The device of claim 16, wherein the housing includes:
a cylindrical portion; and
an inner conic shape that is adapted to center the rod in the cylindrical portion.

20. The device of claim 16, wherein the second end of the housing forms a finger-grip bolt head.

21. The device of claim 16, wherein:
the rod has a first end and a second end;
the first end has a first width;
the second end has a second width; and
the first width is greater than the second width.

22. The device of claim 21, wherein both the first end and the second end are threaded.

23. The device of claim 16, wherein the rod is made of steel.